

and menus, and automatically adjusts sensitivity of the display unit 50 according to the detected moisture or/and temperature.

[0023] The environment sensor unit 40 can be further configured to detect noise of the working environment of the electronic device 100. When the noise of the working environment is larger than a preset noise threshold, the control unit 10 controls the electronic device 100 to automatically show texts or pictures to assist voice projects of the electronic device 100, to increase recognition degrees in the noise.

[0024] The environment sensor unit 40 can be further configured to detect that the electronic device 100 is picked up from a placement by the right hand or the left hand of the user. When the environment sensor unit 40 detects that the electronic device 100 is picked up from a left side of the electronic device 100, the environment sensor unit 40 determines that the electronic device 100 is hold by the left hand of the user. When the environment sensor unit 40 detects that the electronic device 100 is picked up from a right side of the electronic device 100, the environment sensor unit 40 determines that the electronic device 100 is hold by the right hand of the user. The control unit 10 controls the display unit 50 to automatically adjust the user interface according to which hand of the user holding the electronic device 100. When the environment sensor unit 40 determines that the electronic device 100 is operated by only one hand of the user, the control unit 10 controls the display unit 50 to reduce the dial or text input interface and adjust the dial or text input interface to the left part or the right part of the user interface, which is convenient for the left hand or the right hand to operate the electronic device 100.

[0025] The environment sensor unit 40 can be further configured to detect gender, health status, motion state, age of the user, the first time using the electronic device 100 or not for the user, eyes of the user gazing the electronic device 100 or not, interaction environment and status when the electronic device 100 is used with a wearable device.

[0026] Referring to FIG. 2, a flowchart is presented in accordance with an example embodiment which is being thus illustrated. The example method is provided by way of example, as there are a variety of ways to carry out the method. The method 200 described below can be carried out using the configurations illustrated in FIG. 1, for example, and various elements of the figure are referenced in explaining the example method. Each block shown in FIG. 2 represents one or more processes, methods or subroutines, carried out in the exemplary method. Additionally, the illustrated order of blocks is by example only and the order of the blocks can change according to the present disclosure. The exemplary method for adjusting user interface of an electronic device is illustrated in FIG. 2. The exemplary method can be executed at an electronic device and begin at block 201.

[0027] At block 201, a current working environment and a current working status of the electronic device is detected to get a detected environment information and a detected working status. In at least an embodiment, the current working environment and the current working status of the electronic device is detected by a control unit, a fingerprint sensor unit and an environment sensor unit. At this block, in detail, the environment sensor unit can be configured to detect light brightness of the current working environment of the electronic device. The environment sensor unit can be

further configured to detect moving speed of the electronic device. The environment sensor unit can be further configured to detect temperature and moisture of the current working environment of the electronic device to get a detected temperature and a detected moisture. The environment sensor unit can be further configured to detect noise of the current working environment of the electronic device. The environment sensor unit can be further configured to detect that the electronic device is picked up from a placement by the right hand or the left hand of the user. The environment sensor unit can be further configured to detect gender, health status, motion state, age of the user, the first time using the electronic device or not for the user, eyes of the user gazing the electronic device or not, interaction environment and status when the electronic device is used with a wearable device. The control unit can include a detecting unit configured to detect the current working environment of the electronic device according to the type of network access such as internet of things or internet of cars or others.

[0028] At block 202, the detected environment information and/or the detected working status are compared with a preset environment threshold and/or a preset status to determine a type of the current working environment and the current working status of the electronic device. In at least an embodiment, the control unit can include a comparing unit comparing a detected user's fingerprint detected by the fingerprint sensor unit and the environment information detected by the environment sensor unit with the preset fingerprint and environment threshold stored in a storage unit, to determine a type of the current working environment and the current working status of the electronic device.

[0029] At block 203, the electronic device is controlled to adjust the user interface according to the type of the current working environment and/or the current working status. In at least an embodiment, the control unit controls a display unit of the electronic device to automatically adjust the user interface, according to the type of the current working environment and the current working status of the electronic device. At this block, in detail, the control unit can further include a user-interface-analyzing unit. The user-interface-analyzing unit can be configured to determine the user interface matching with the type of the current working environment and the current working status of the electronic device, and transmit the user interface to the display unit to be displayed.

[0030] The embodiments shown and described above are only examples. Even though numerous characteristics and advantages of the present technology have been set forth in the foregoing description, together with details of the structure and function of the present disclosure, the disclosure is illustrative only, and changes may be made in the detail, including in matters of shape, size and arrangement of the parts within the principles of the present disclosure up to, and including, the full extent established by the broad general meaning of the terms used in the claims.

What is claimed is:

1. An electronic device comprising:

a processor;

a display unit; and

a storage unit configured to store a preset moving speed threshold and a program, wherein when the program is executed by the processor, the program causes the processor to: